## PATENT APPLICATION

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

PATTERSON THUENTE SKAAR

In re the application of:

Attorney Docket No.: 3339.03US01

Osanai et al.

Confirmation No.: 7450

Application No.:

09/848,140

Examiner: Tuan T. Dinh

Filed:

May 3, 2001

Group Art Unit: 2827

For:

METAL-CERAMIC CIRCUIT BOARD AND MANUFACTURING METHOD

THEREOF

## SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

Mail Stop Amendment Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Sir:

Pursuant to 37 C.F.R. § 1.56, and in addition to information disclosed in Applicants' Information Disclosure Statement filed May 3, 2001, the attention of the Patent and Trademark Office is hereby directed to the references listed on the attached Form PTO-1449. It is respectfully requested that the information be expressly considered during the prosecution of this application, and that the references be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

This Information Disclosure Statement is being filed more than three months after the U.S. filing date and after the mailing date of the first Office Action on the merits, but before the mailing date of a Final Action or Notice of Allowance.

The Commissioner is authorized to charge to Deposit Account No. 16-0631 the \$180.00 in payment of the fee under 37 C.F.R. § 1.17(p).

Application No. 09/848,140

The Examiner's attention is directed to co-pending Divisional U.S. Patent Application No. 10/242,022, filed September 12, 2002, which is directed to related subject matter. The identification of this U.S. patent application is not to be construed as a waiver of secrecy as to that application now or upon issuance of the present application as a patent. The Examiner is respectfully requested to consider the cited application and the art cited therein during examination.

Copies of references were cited by or submitted to the Office in Patent Application No. 10/242,022, filed September 12, 2002. Thus, copies of these references are not attached. 37 C.F.R. § 1.98(d).

Respectfully submitted,

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Please grant any extension of time necessary for entry; charge any fee due to Deposit Account No. 16-0631.

CERTIFICATE OF FACSIMILE TRANSMISSION

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James H. Patterson

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	Subs	P/PTO	Application Number		09/848,140			
SUPI	PLEME	TION	Filing Date		May 3, 2001			
	ISCLO		First Named Inventor		Osanai et al.			
	BY		Art Unit		2827			
	(USE AS	many sheets as necessary)	F	Examiner Name		Tuan T. Dinh		
Sheet 1 of 1			<del>T1                                    </del>	Attorney Docket Number		3339.03US01		
U.S. PATENT DOCUMENTS								
EXAMINER INITIAL*	Cite No.1	Document Number  Number-Kind Code <sup>2</sup> (1) burney		Publi	Publication Date MM-DD-YYYY		Name of Patentee or Applicant of Cited Document	
		US-4, <sup>7</sup> 62,553		08/09/1	08/09/1988		Savage et al.	
		US-5,767,576			06/16/1998		Kobayashi et al.	
	_	US-4,906,812		03/06/1990			Nied et al.	
		US-4,592,781			06/03/1986		Cheney et al.	
		US-4,962,291			10/09/1990		Fujita et al.	
		US-3,852,877		12/10/1	12/10/1974		Ahn et al.	
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EXAMINER INITIAL	Cite No. <sup>1</sup>	Foreign Patent Document  Country Code Number Kind Code 5			Publication Date MM-DD-YYYY		Name of Parentee or Applicant of Cited Document	
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EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line flavough citation if not in conformance and not considered. Include

translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPN. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer. U.S. Patent and Tradentark Office, U.S. Department of Commerce, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450 Alexandria, VA 22313-1450.

EXAMINES: Initial it reterence constants to applicant.

'Applicant's unique citation designation number (optional). See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. Enter Office that issued the document by the two-letter code (WIPO Standard ST...). For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent by the two-letter code (WIPO Standard ST...). For Japanese patent document with the reign of the patent of the pat